

Industrial Single Board Computer

Mini-ITX motherboard

LV-67A

Support Intel® Core™ 2 Quad / Core™ 2 Duo /
Celeron® processor, Onboard VGA
HD Audio, 1 x Mini-PCI, 1 x PCI, 6 x SATA
2 x Gigabit LAN, LVDS, 2 x DVI, 1 x CRT



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|-----------------------------|---|
| Form Factor | Mini-ITX motherboard |
| CPU | Support Intel® Core™ 2 Quad / Core™ 2 Duo / Celeron® processor Package type: PLGA775 Front side bus: 800/1066/1333MHz |
| Memory | 2 x DDR3 800/1066MHz DIMM support up to 4.0 GB |
| Chipset | Intel® Q45 Express Chipset & ICH10DO(82801IDO) |
| Real Time Clock | Chipset integrated RTC with onboard lithium battery |
| Watchdog Timer | Generates a system reset with internal timer for 1min/s ~ 255min/s |
| Power Management | ACPI 2.0 compliant, supports power saving mode. |
| Serial ATA Interface | Intel® ICH10DO built-in 6 x Serial ATAII interface up to 300MB/s Support RAID 0, 1, 5, 10 and Intel® Matrix Storage Technology |
| VGA Interface | Onboard Intel® integrated extreme GMA 4500(Graphic Media Accelerator) Technology Optional Secondary CRT Connector (LV-67AT) |
| Video Memory | Up to 1024MB shared with system memory |
| LVDS interface | Optional 18/24-bits dual channel LVDS interface (LV-67AX) |
| DVI interface | Optional DVI interface (LV-67AD/LV-67AD2) |
| Audio Interface | Intel® integrated ICH10DO with Realtek ALC888 HD Audio |
| LAN Interface | 2 x Intel® 82574L Gigabit LAN |
| GPIO interface | Onboard programmable 8-bit Digital I/O interface |
| Extended Interface | 1 x PCI slot, 1 x Mini-PCI socket support Mini-PCI Type-III A |
| Internal I/O Port | 1 x RS-232, 1 x Slim FDD, 1 x GPIO, 1 x CDIN, 1 x SMBUS, 1 x Audio 1 x IrDA, 4 x USB, 1 x LVDS, 1 x LCD inverter connector (Optional) 1 x CRT (Optional), and 2 x DVI (Optional) |
| External I/O Port | 2 x RS232, 1 x RS232/422/485, 2 x LAN, 1 x VGA, 1 x PS/2, 4 x USB2.0, 1 x SPDIF 1x Audio |
| Power Requirement | Standard P4 4-pin 12V and 24-pin ATX power supply (20-pin is compatible) |
| Dimension | 170mm x 170mm |
| Temperature | Operating within 0~60 centigrade Storage within -20~85 centigrade |

Ordering Code

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| LV-67AD | Onboard VGA, 2 x Intel® Gigabit LAN, 8 x USB2.0, Mini-PCI, PCI, 4 x serial Port, 1 x FDD Realtek ALC888 HD Audio, 6 x SATA , 1 x IrDA , 1x DVI Interface |
| LV-67AD2 | Same as LV-67AD with secondary DVI Interface |
| LV-67AX | Same as LV-67AD with 18/24-bits LVDS instead of DVI |
| LV-67AT | Same as LV-67AD with secondary CRT instead of DVI |
| MP-6421 | Mini PCI with one 44-pin Ultra DMA 33 IDE interface supports up to 2 ATAPI devices 1 x Compact Flash Type II and 2 x serial ATA interface |

For further product information please visit the website at <http://www.commell.com.tw>

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